

During the calendar year ending December 31, 1998, the Applied Technology Council (ATC) engaged in a broad range of activities to meet its mission of developing and promoting state-of-the-art, user friendly engineering resources and applications for use in mitigating the effects of natural and other hazards on the built environment. Work continued on more than 20 active technical projects, including several seminars and workshops, and three new projects were commenced. In addition, ATC published five comprehensive technical reports.

The Board of Directors was also very active in 1998, conducting four meetings and entering into two Memoranda of Understanding with (1) the Institute for Business and Home Safety (IBHS) and (2) the American Association for Wind Engineering (AAWE). The Board also revised the ATC Bylaws to add to the Board a representative from the National Council of Structural Engineers Association.

In July 1998 ATC conducted the first ATC Awards Dinner to honor certain ATC project participants for extraordinary service on completed ATC projects. The black-tie event, held in conjunction with the Structural Engineers World Congress in San Francisco, was attended by approximately 130 members of the engineering and scientific community (and their guests).

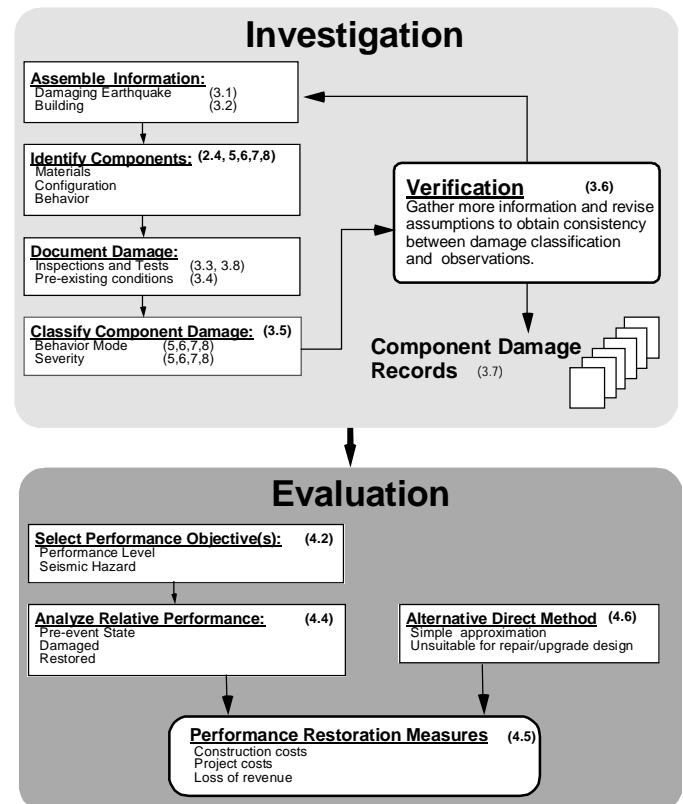
Summaries of these and other major ATC activities are described below.

New Technical Projects

- **ATC-33-2, Consultant Services on ASCE Project to Convert FEMA 273, NEHRP Guidelines for the Seismic Rehabilitation of Buildings, to an ASCE Prestandard** (managed by the American Society of Civil Engineers; funded by the Federal Emergency Management Agency (FEMA))
- **ATC-49, Development of Comprehensive Specification for the Seismic Design of Bridges** (conducted by a joint venture partnership of ATC and the Multidisciplinary Center for Earthquake Engineering Research, State University of New York; funded by the National Cooperative Highway Research Program, National Academy of Sciences)
- **ATC-50, Development of Methods for Seismic Grading and Retrofitting of Detached Single-Family Wood Frame Dwellings** (administered by the City of Los Angeles; funded by FEMA through a Hazard Mitigation Grant Program award from the California Office of Emergency Services (OES))

Completed Technical Reports

- **ATC-29-1 Report, Proceedings, Seminar on Seismic Design, Retrofit, and Performance of Nonstructural Components**
- **FEMA 276 Report, Example Applications of NEHRP Guidelines for the Seismic Rehabilitation of Buildings (ATC-33 Project)**
- **FEMA 306 Report, Evaluation of Earthquake Damaged Concrete and Masonry Wall Buildings, Basic Procedures Manual (ATC-43 Project)**
- **FEMA 307 Report, Evaluation of Earthquake Damaged Concrete and Masonry Wall Buildings, Technical Resources (ATC-43 Project)**
- **FEMA 308 Report, The Repair of Earthquake Damaged Concrete and Masonry Wall Buildings (ATC-43 Project)**



FEMA 306 flowchart for the investigation and evaluation of earthquake damage to concrete and masonry wall buildings. FEMA 306 section numbers are indicated.

Board Meetings and Other Activities

During 1998 the ATC Board of Directors

- Held ATC Board meetings in San Francisco (January, July 1998), Washington, DC (April 1998), and New York City (October 1998).
- Completed development of a Strategic Plan, which will guide ATC activities for the next five years.
- Signed a Memorandum of Understanding with the American Association for Wind Engineering (AAWE) to seek and perform wind engineering research and application projects jointly.
- Signed a Memorandum of Understanding with the Institute for Business and Home Safety (IBHS) to establish a working relationship to seek improvement in natural disaster mitigation.
- Revised the bylaws to add representation on the ATC Board from the National Council of Structural Engineers Associations, to reduce the representation by the Structural Engineers Association of California (SEAOC) by one, and to specify that the five remaining SEAOC Board positions shall be appointed by the regional associations (4 positions) and by the SEAOC President (1 position).
- Agreed that an ATC office presence in Washington, DC should be established.
- Conducted first ATC Awards Dinner to honor certain ATC project participants for extraordinary service on completed ATC projects, to raise additional funds for ATC's *Henry J. Degenkolb Memorial Endowment Fund*, and to honor the memory of deceased former ATC President, Nick Forell.
- Completed technical content of a design aid on "floor vibrations" and commenced development of camera-ready copy.
- Met with the Board of Directors of the Structural Engineering Institute.

1998-1999 Board of Directors

Charles H. Thornton, New York, New York (President)
Edwin T. Dean, Portland, Oregon (Vice President)
Mark Saunders, San Francisco, California (past President)
Andrew T. Merovich, San Rafael, California (Sec./Treas.)
Arthur N. L. Chiu, Honolulu, Hawaii (board appointed liaison)
James R. Cagley, Rockville, Maryland
Robert G. Dean, Gainesville, Florida
Edwin H. Johnson, San Diego, California
Kenneth A. Luttrell, Sacramento, California
Newland J. Malmquist, Salt Lake City, Utah
Stephen H. Pelham, Sacramento, California
Richard J. Phillips, Los Angeles, California
Charles Roeder, Seattle, Washington
Jonathan G. Shipp, Newport Beach, California

Memoranda of Understanding

ATC-AAWE MOU. In the Memorandum of Understanding (MOU) signed in August 1998 by ATC and the American Association for Wind Engineering, the two organizations created a partnership that can respond to the urgent public need for improved techniques and procedures in wind engineering, and for systematic documentation of the effects of wind storms on the built environment, including correlations of wind speed, building system attributes, and building performance. The agreement was signed by Michael P. Gaus, AAWE President, and Charles H. Thornton, ATC President.

ATC-IBHS MOU. In the July 1998 MOU signed by ATC and the Institute for Business and Home Safety, the two organizations agreed to (1) maintain a close liaison at the executive level to ensure that each organization is aware of the functions and activities of the other; (2) work cooperatively on natural hazard mitigation and other issues of shared interest; and (3) support and promote each other's public awareness and public education efforts. The agreement was signed by Harvey G. Riland, President and CEO of IBHS, and Charles H. Thornton, ATC President.

ATC Seminars and Workshops

- Conducted ATC-29-1 Seminar on Seismic Design, Retrofit, and Performance of Nonstructural Components in January 1998.
- Conducted ATC Seminar on Upgrading of Seismically Hazardous Buildings in July 1998.
- Conducted 2nd U.S.-Japan Workshop on Performance Based Engineering in San Francisco in July 1998.
- Conducted three regional training seminars on FEMA 273 Guidelines for Seismic Rehabilitation of Buildings (November-December 1998).
- Conducted 8th U.S.-Japan Workshop on Improvement of Structural Design and Construction Practices in Honolulu in December 1998.



East-West Center, Honolulu, Hawaii, site of the 8th U.S.-Japan Workshop on Improvement of Structural Design and Construction Practices.

First ATC Awards Dinner

The first Applied Technology Council Awards Dinner, held on July 18, 1998 at the San Francisco Marriott served three purposes:

- To honor certain ATC project participants for extraordinary service on completed ATC projects;
- To raise additional funds for ATC's Henry J. Degenkolb Memorial Endowment Fund; and
- To honor the memory of deceased former ATC president, Nick Forell

For the first awards ceremony, two awards categories were defined. The "ATC Award for Excellence"—ATC's premier award—recognizes individuals for extraordinary achievement in a given technical area or other ATC activity. The second award category recognizes "Significant Contributions" on a major ATC project. In selecting award winners, the ATC Awards Committee considered participants in completed ATC projects since ATC's inception in the early 1970s. Staff and directors involved in the selection process were not eligible to receive an award.

The awards were presented by ATC Board President, Charles Thornton, and ATC Executive Director, Christopher Rojahn. Following is a list of award recipients.

ATC AWARDS FOR EXCELLENCE

Anne S. Kiremidjian

EXTRAORDINARY ACHIEVEMENT
IN EARTHQUAKE DAMAGE AND
LOSS ESTIMATION

Maurice S. Power

EXTRAORDINARY ACHIEVEMENT
IN TRANSFERRING EARTH
SCIENCE RESEARCH INFORMA-
TION TO DESIGN PRACTITIONERS

Charles C. Thiel, Jr.

EXTRAORDINARY ACHIEVEMENT
IN TRANSFERRING EARTH
SCIENCE RESEARCH INFORMA-
TION TO DESIGN PRACTITIONERS

Ronald L. Mayes

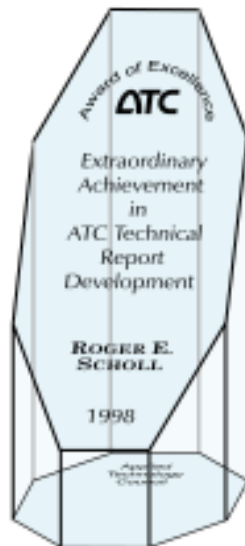
EXTRAORDINARY ACHIEVEMENT
IN SEISMIC DESIGN AND RETRO-
FIT OF BRIDGES

Richard V. Nutt, EXTRAOR-
DINARY ACHIEVEMENT IN SEISMIC DESIGN AND RETROFIT OF
BRIDGES

Chris D. Poland, EXTRAORDINARY ACHIEVEMENT IN
SEISMIC EVALUATION OF BUILDINGS

Charles R. Scawthorn, EXTRAORDINARY ACHIEVEMENT IN
SEISMIC EVALUATION OF BUILDINGS

Daniel Shapiro, EXTRAORDINARY ACHIEVEMENT IN SEISMIC
REHABILITATION OF BUILDINGS



ATC Award for Excellence

Lawrence D. Reaveley, EXTRAORDINARY ACHIEVEMENT
IN SEISMIC REHABILITATION OF BUILDINGS

William T. Holmes, EXTRAORDINARY ACHIEVEMENT IN
SEISMIC REHABILITATION OF BUILDINGS

Jack P. Moehle, EXTRAORDINARY ACHIEVEMENT IN
SEISMIC REHABILITATION OF BUILDINGS

Ronald P. Gallagher, EXTRAORDINARY ACHIEVEMENT IN
POSTEARTHQUAKE SAFETY EVALUATION OF BUILDINGS

Roland L. Sharpe, EXTRAORDINARY ACHIEVEMENT IN
SEISMIC DESIGN OF NEW BUILDINGS

Joseph P. Nicoletti, EXTRAORDINARY SERVICES AS
PROJECT ENGINEERING PANEL (PEP) MEMBER

Roger E. Scholl, EXTRAORDINARY ACHIEVEMENT IN ATC
TECHNICAL REPORT DEVELOPMENT (POSTHUMOUS)

Craig D. Comartin, TECHNICAL MANAGEMENT OF THE
AWARD-WINNING ATC-40 PROJECT

Richard W. Niewiarowski, TECHNICAL MANAGEMENT OF
THE AWARD-WINNING ATC-40 PROJECT

Ugo Morelli, EXTRAORDINARY CONTRIBUTIONS AS PROJECT
OFFICER

Thomas G. Atkinson, EXTRAORDINARY LIFETIME
CONTRIBUTIONS TO ATC PROJECTS AND BOARD OF
DIRECTORS

Arthur E. Ross, EXTRAORDINARY LIFETIME CONTRIBU-
TIONS TO ATC PROJECTS AND BOARD OF DIRECTORS

AWARDS FOR SIGNIFICANT CONTRIBUTIONS AS TEAM LEADER ON THE ATC-33 PROJECT: PREPARATION OF GUIDELINES FOR THE SEISMIC REHABILITATION OF BUILDINGS

Daniel P. Abrams, MASONRY TEAM LEADER

Christopher Arnold,
NON-STRUCTURAL
COMPONENTS TEAM
LEADER

John M. Coil, WOOD
TEAM LEADER

Douglas A. Foutch,
STEEL TEAM LEADER

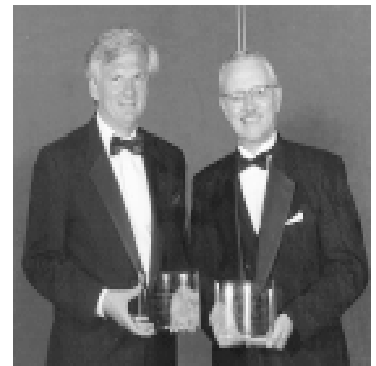
**Ronald O. Ham-
burger**, GENERAL
REQUIREMENTS TEAM
LEADER

Jeffrey R. Keaton,
GEOTECHNICAL AND
FOUNDATIONS TEAM
LEADER

Charles A. Kircher,
NEW TECHNOLOGIES TEAM LEADER

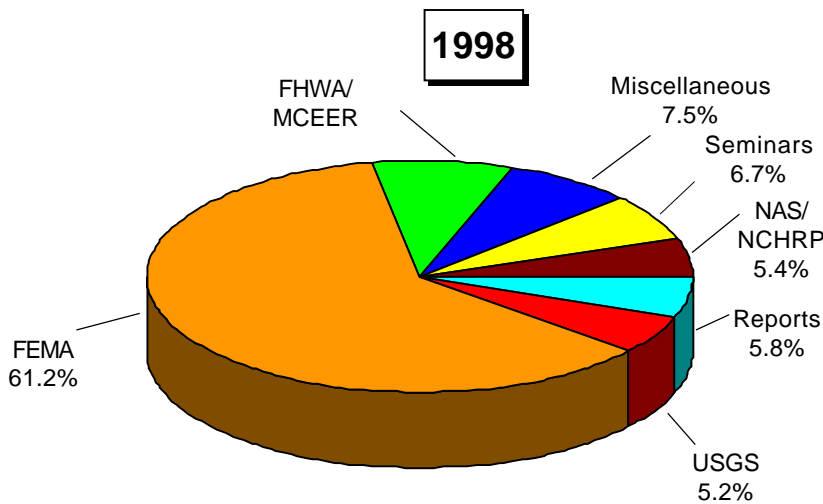
Michael Mehrain, LOADS AND FORCES TEAM LEADER

Richard Atkinson, QUALIFICATION OF IN-PLACE
MATERIALS LEAD (POSTHUMOUS)



Daniel Abrams and Douglas Foutch displaying their awards for significant contributions on a major ATC project.

Summary of 1998 Funding



Legend:

FHWA: Federal Highway Administration
 FEMA: Federal Emergency Management Agency
 MCEER: Multidisciplinary Center for Earthquake Engineering Research, State University of New York at Buffalo
 NAS/NCHRP: National Academy of Sciences, National Cooperative Highway Research Program
 USGS: U. S. Geological Survey

Highlights of 1998 Financial Activity

Highlights of ATC financial activity in 1998 include the following:

- Annual Report/Seminar Sales: \$183,543
- Annual Revenue: \$1,861,773
- EOY Endowment Fund Balance: \$143,322
- EOY Operating Reserve Balance: \$459,866

ATC Endowment Fund Donations

Sponsors: Donations of \$10,000 or more

Structural Engineers Association of California
 James R. & Sharon K. Cagley
 John M. Coil
 Burkett & Wong

Supporters: Donations of \$5,000 - \$9,999

Charles H. Thornton
 Degenkolb Engineers
 Japan Structural Consultants Association

Contributors: Donations of \$2,000 - \$4,999

Lawrence D. Reaveley
 Omar Dario Cardona Arboleda
 Edwin T. Huston
 John C. Theiss
 Reaveley Engineers
 Rutherford & Chekene

ATC Strategic Plan

In 1998 ATC completed development of a Strategic Plan, which is intended to guide ATC activities over both the short term (next five years) and long term. The Plan is based on a series of focused sessions of the ATC Board of Directors.

The Plan considers traditional ATC goals as well as organizational strengths, weaknesses, potential collaborators, and potential clients. It includes the traditional elements of Vision Statement, Mission Statement, Goals, and Strategies.

Vision Statement

The vision of ATC is to achieve and maintain excellence in advancing science and engineering technology to protect life and property.

Mission Statement

The mission of ATC is to develop and promote state-of-the-art, user-friendly engineering resources and applications for use in mitigating the effects of natural and other hazards on the built environment.

Goals For The Next Five Years

- 1: Expand ATC's seismic engineering capacity, visibility, and reputation.
- 2: Establish a strong position for ATC in wind and coastal engineering hazard mitigation.
- 3: Continuously evaluate and improve organizational effectiveness.
- 4: Apply proactive marketing where appropriate.

Plan Updates

Accomplishments in relation to the identified goals are evaluated at each Board meeting. Updates to the Plan are expected to occur regularly.

1998 Staff and Staff Consultants

Christopher Rojahn, Executive Director
 A. Gerald Brady, Deputy Executive Director
 Peter Mork, Computer Specialist
 Bernadette Mosby, Operations Administrator
 Patricia Mork, Administrative Assistant
 Craig Comartin, Senior Structural Consultant

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